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Atty. Docket No. 85827-103

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of Naveen MYSORE et al.

Serial No.: 10/544,108 Group Art Unit: 2617  
Filed: August 2, 2005 Examiner: N/A  
Title: **SYSTEM AND METHOD FOR DATA COMMUNICATION OVER  
MULTI-INPUT, MULTI-OUTPUT CHANNELS**

**INFORMATION DISCLOSURE STATEMENT**

This Information Disclosure Statement is being filed in the manner prescribed by 37 CFR 1.97(b) - (d) to satisfy the duty under 37 CFR 1.56 to disclose to the Office information, known to individuals associated with the filing and prosecution of the subject application, which is material to the examination of the application.

In accordance with 37 CFR 1.97(g) and (h), this statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 CFR 1.56(b).

This Information Disclosure Statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing date of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

Applicant therefore respectfully requests consideration of this Information Disclosure Statement under 37 CFR 1.97(b), 37 CFR 1.97(c), or 37 CFR 1.97(d), as appropriate.

In compliance with 37 CFR 1.98(a)(1), a list of all patents, publications, applications, or other information submitted for consideration by the Office is hereby provided by way of the attached Form PTO/SB/08.

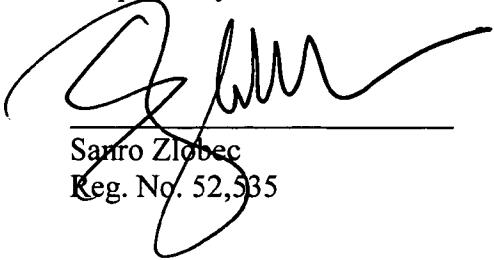
In compliance with 37 CFR 1.98(a)(2), also enclosed is a legible copy of:

- i) each foreign patent document;
- ii) each publication or that portion which caused it to be listed;
- iii) for each cited pending unpublished U.S. patent application, the application specification including the claims, and any drawings of the application, or that portion of the application which caused it to be listed including any claims directed to that portion; and
- iv) all other information or that portion which caused it to be listed, excluding any copies of a United States patent or patent application.

It is respectfully requested that the information be expressly considered by the Examiner and that the references be made of record and appear among the "References Cited" on any patent to issue therefrom.

The Patent Office is hereby authorized to charge any deficiency, or credit any overpayment in fees to Deposit Account Number 19-2550.

Respectfully submitted,



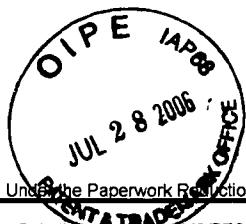
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Encls.: Form PTO/SB/08

All references listed on Form PTO/SB/08 (except US patents / applications)  
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Substitute for Form 1449/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

Sheet 1 of 2

**Complete if Known**

Application Number	10/544,108
Filing Date	August 2, 2005
First Named Inventor	Naveen MYSORE
Art Unit	2617
Examiner Name	N/A

Attorney Docket Number 85827-103

U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	3.	EP 0 998 045 A1	05-03-2000	LUCENT TECHNOLOGIES...		
	4.	EP 1 213 853 A1	06-12-2002	MITSUBISHI DENKI...		
	5.	EP 1 265 377 A2	12-11-2002	NEC CORPORATION		
	6.	PCT/CA2004/000137 (ISR)	06-28-2004	MCGILL UNIVERSITY		

Examiner Signature /Dhaval Patel/ Date Considered 09/29/2009

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO		<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	10/544,108
		Filing Date	August 2, 2005
		First Named Inventor	Naveen MYSORE
		Art Unit	2617
		Examiner Name	N/A
Sheet	2	of	2
		Attorney Docket Number	
		85827-103	

<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	7.	MATTHEW VALENTI and BRIAN D. WOERNER, Iterative Multiuser Detection for Convolutionally Coded Asynchronous DS-CDMA, 9th IEEE International Symposium..., 09-09-1998, 21 pages	
	8.	CHIP FLEMING, A Tutorial on Convolutional Coding with Viterbi Decoding, copyright © 1999-2002, 6 pages, Spectrum Applications	
	9.	Description of the Algorithms (Part 1), copyright © 1999-2002, 7 pages, Spectrum Applications	
	10.	TELECOMMUNICATIONS AND MISSION OPERATIONS DIRECTORATE - DNS Technology Program, Communications Systems Analysis: Turbo Codes, 1 page <i>10/23/2002</i>	

Examiner Signature	/Dhaval Patel/	Date Considered	09/29/2009
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.  
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